

CLAIMS

[1] An interior material of an operator's cab for a work machine, being characterized by comprising at least a structure member and a noise absorption layer, wherein

the structure member has at least one rib which is formed on an inside surface of a base portion thereof and comes into intimate contact with an inside surface of an exterior material,

a hermetically sealed hollow portion is formed by the rib in intimate contact with the exterior material, and

the noise absorption layer is disposed on an outside surface of the structure member.

[2] The interior material according to claim 1, being characterized in that the inside surface of the structure member and a part of the surface or an entire surface of the rib are provided with the noise absorption layer.

[3] The interior material according to claim 2, being characterized in that the inside surface of the structure member confronting the exterior material is provided with the noise absorption layer.

[4] The interior material according to claim 1, being characterized in that the structure member is formed of any one of polyurethane, polypropylene, ABS resin, and AES resin.

[5] The interior material according to any of claims 1 to 3, being characterized in that the noise absorption layer is a continuous foam body and/or a fiber aggregate formed of

at least one of low repulsion urethane, semi-rigid urethane, PET resin, and polystyrene resin.

[6] The interior material according to claim 1, being characterized in that a surface clad material is attached to a surface of the noise absorption layer opposite to a structure member side.

[7] The interior material according to claim 6, being characterized in that the surface clad material is subjected to a dirt prevention treatment.

[8] A panel forming body, being characterized by comprising the interior material and the exterior material according to any of claims 1 to 3.

[9] A method for manufacturing an interior material of an operator's cab for a work machine, being characterized by the interior material comprising at least a structure member and a noise absorption layer disposed on an outside surface of the structure member, wherein the structure member has a rib which stands from an inside surface of a base portion thereof and comes into intimate contact with an inside surface of an exterior material, and a hermetically sealed hollow portion is formed by the rib in intimate contact with the exterior material, the method comprising:

forming the structure member having at least one rib in a desired shape by an injection-molding method;

forming at least one hole portion in the structure member,

the hole portion passing through the base portion from an outside surface thereof to the inside surface thereof when or after the structure member is molded;

attaching the structure member in which the hole portion has been formed to a mold; and

molding a noise absorption layer on the outside surface of the structure member using the mold by injecting a material constituting the noise absorption layer onto the outside surface of the structure member, and at the same time, forming the noise absorption layer on the inside surface of the structure member and on a part of a surface or an entire surface of the rib through the hole portion.

[10] The method for manufacturing an interior material according to claim 9, being characterized by comprising, when the noise absorption layer is injection-molded:

previously attaching a surface clad material to a side of the mold confronting the outside surface of the structure member; and

injecting the material constituting the noise absorption layer into an interval between the structure member and the surface clad material attached to the mold.